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BOROUGH AND PORT OF KING'S LYNN



# ANNUAL REPORT

## 1969

Medical Officer of Health

J. McD. HANLEY, L.R.C.P., L.R.C.S., L.R.F.P.S., D.P.H.,  
M.R.S.H.

Chief Public Health Inspector

B. R. BEAUMONT, M.A.P.H.I., M.R.S.H.



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HOUSING AND HEALTH

COMMITTEE

Chairman: Alderman F.R. BARTON

Vice-Chairman: Councillor N.R. PARKER

Members: Councillor D.E. BENEFER

Councillor H.G.E. BIRDSEYE

Councillor F.R. CORK, D.F.C.

Councillor E.E.G. EDGLEY, B.E.M., J.P.

Councillor Mrs. N. LUMB

Councillor S.A. MILLER

Councillor Mrs. P.H. ROBINSON

PUBLIC HEALTH STAFF

Medical Officer of Health

J.M. HANLEY,  
L.R.C.P., L.R.C.S.,  
L.R.F.P.S., D.P.H., M.R.S.H.

Chief Public Health Inspector

B.R. BEAUMONT,  
M.A.P.H.I., M.R.S.H.

Deputy Chief Public Health Inspector

E.J. HACKER,  
M.A.P.H.I., M.R.S.H.

Additional Public Health Inspectors

E.R. POTTS,  
M.A.P.H.I.

V.J. GEORGE,  
M.A.P.H.I.

MISS C.A. EAGLE,  
M.A.P.H.I.  
(From 5.7.69)

Hygiene Assistant

G. STEPHENSON,  
M.R.S.A., (Scot.)  
A.R.S.H., A.M.A.P.H.I.

Diseases of Animals Inspector

H. POWLEY

Clerical Staff

J.A. DING

MRS. M.S. SKIPPER

Rodent Operators

J. FULLER

S. JUBY

REPORT OF THE MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1969

Local Health Office,  
15, Nelson Street,  
KING'S LYNN.

To: The Mayor, Aldermen and Councillors,  
of the Borough of King's Lynn.

Ladies and Gentlemen,

I have the honour to present the Annual Report for 1969.

The mid-year population of the Borough was estimated by the Registrar-General as 30,650 compared with 30,110 last year.

There were fewer live births - 495, compared with 551 last year. Deaths totalled 331, giving a natural increase of 158. Influx of newcomers was therefore 382.

For the first time for many years there were no deaths from pulmonary tuberculosis, but lung cancer continues its upward trend and is a more serious problem, and one which will tax us for many years to come.

About Christmas-time an epidemic of influenza began, and continued into 1970, and this accounts for the doubling rate of deaths from bronchitis.

The work of my department continued steadily throughout the year, the greater part of our activities being concerned with the Norfolk County Council's services of vaccination and immunisation, child health and school health duties.

The overall picture in the Borough is one of maintenance of gradually improving health, especially noticeable in maternity and child health, and in school children.

I would like to thank the Chairman and Vice-Chairman for their kind consideration and help, and express my appreciation of the work of the Chief Public Health Inspector and the Public Health Department staff.

I have the honour to be

Your obedient Servant,

JOHN Mc.D. HANLEY,

Medical Officer of Health



# VITAL STATISTICS

Estimated Mid-Year Population (Registrar General): 30,650

## Live Births

|  |       |            |
|--|-------|------------|
| Number Males 263 Females 232                             | Total | 495        |
| Crude Rate per 1,000 population                          |       | 16.2       |
| Corrected Rate per 1,000 population                      |       | 16.0(17.8) |
| Illegitimate Live Births (per cent of total live births) |       | 9.0        |

## Still Births

|   |              |         |
|---|--------------|---------|
| Numbers                                   |              | 7       |
|   | Legitimate   | 7       |
|   | Illegitimate | 0       |
| Rate per 1,000 total Live and Stillbirths |              | 14.0(7) |
| Total Live and Stillbirths                |              | 502     |

## Infant Deaths

|                     |   |
|---------------------|---|
| Deaths under 1 year | 9 |
|---------------------|---|

## Infant Mortality Rates

|  |            |
|--|------------|
| Total infant deaths per 1,000 total live births  | 18.0(15.4) |
| Legitimate infant deaths per 1,000 legitimate live births  | 18.0       |
| Illegitimate infant deaths per 1,000 illegitimate live births  | 21.0       |
| Neo-natal Mortality Rate (death under four weeks per 1,000 total live births)                                    | 10(4.4)    |
| Early Neo-natal Mortality Rate (deaths under one week per 1,000 total live births)                               | 8          |
| Peri-natal Mortality Rate (still births and deaths under one week combined per 1,000 total live and stillbirths) | 22(23)     |

## Maternal Mortality

|   |   |
|---|---|
| Number of deaths                          | 0 |
| Rate per 1,000 total live and stillbirths | 0 |

## Deaths

|                                     |       |            |
|-------------------------------------|-------|------------|
| Males 182 Females 155               | Total | 337        |
| Crude rate per 1,000 population     |       | 11.0       |
| Corrected rate per 1,000 population |       | 10.3(11.0) |
| Tuberculosis Respiratory            |       | 0          |
| Cancer of the Lung and Bronchus     |       | 23         |
| Rate per 1,000 population           |       | .74        |
| Cancer other forms                  |       | 35         |
| Rate per 1,000 population           |       | 1.1        |
| Births exceeded deaths by 158       |       |            |

(Figures in brackets are National Averages for 1969)



MORTALITY FIGURESDeaths by Age Groups

|            |              |            |                |            |
|------------|--------------|------------|----------------|------------|
| 0-4 weeks  | 4 weeks-1yr. | 1-5 yrs.   | 5-15 yrs.      | 15-25 yrs. |
| 5 (8)      | 4 (6)        | 0 (1)      | 1 (1)          | 5 (3)      |
| 25-45 yrs. | 45-65 yrs.   | 65-75 yrs. | 75 yrs. & over |            |
| 9 (4)      | 84 (48)      | 97 (93)    | 132 (192)      |            |

Figures in brackets are previous year's totals.

DEATHS BY SOME DISEASES OVER THE PREVIOUS FIVE YEARS

|                         | 1964 |    |    | 1965 |    |    | 1966 |    |    | 1967 |    |    | 1968 |    |    | 1969 |    |    |
|-------------------------|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|------|----|----|
|                         | M    | F  | T  | M    | F  | T  | M    | F  | T  | M    | F  | T  | M    | F  | T  | M    | F  | T  |
| T.B. Respiratory        | -    | -  | -  | -    | -  | -  | -    | -  | -  | -    | -  | -  | 1    | -  | 1  | -    | -  | -  |
| Cancer of the Lung      | 18   | 1  | 19 | 7    | 1  | 8  | 13   | 3  | 16 | 12   | 2  | 14 | 11   | 5  | 16 | 20   | 3  | 23 |
| Leukaemia               | -    | 2  | 2  | 2    | -  | 2  | 1    | -  | 1  | 1    | 2  | 3  | -    | 1  | 1  | -    | -  | -  |
| Cancer all other forms  | 31   | 24 | 55 | 26   | 27 | 53 | 21   | 22 | 43 | 25   | 7  | 32 | 18   | 18 | 36 | 14   | 21 | 35 |
| Ischaemic Heart Disease | 41   | 27 | 68 | 51   | 33 | 84 | 47   | 37 | 84 | 36   | 34 | 70 | 48   | 33 | 81 | 50   | 38 | 88 |
| Hypertensive Disease    | 3    | 4  | 7  | -    | 1  | 1  | -    | 3  | 3  | -    | -  | -  | -    | 1  | 1  | 5    | -  | 5  |
| Other Heart Diseases    | 9    | 14 | 23 | 5    | 13 | 18 | 10   | 11 | 21 | 4    | 11 | 15 | 9    | 7  | 16 | 6    | 8  | 14 |
| Influenza               | -    | -  | -  | 1    | 1  | 2  | -    | 1  | 1  | -    | -  | -  | 1    | -  | 1  | 2    | 1  | 3  |
| Bronchitis              | 11   | 4  | 15 | 12   | 3  | 15 | 9    | 4  | 13 | 10   | 2  | 12 | 8    | 4  | 12 | 15   | 9  | 24 |
| Accidents               | 1    | -  | 1  | 2    | -  | 2  | 1    | 1  | 2  | -    | 3  | 3  | 4    | 4  | 8  | 4    | 3  | 7  |

T - Total

# CLASSIFICATION OF DEATHS ACCORDING TO DISEASES

| CAUSE OF DEATH                          | Sex | Total All Ages | Under 4 Weeks | 4 wks. and under 1 year | AGE IN YEARS |    |     |     |     |     |     |     |           |   |
|---|-----|----------------|---------------|-------------------------|--------------|----|-----|-----|-----|-----|-----|-----|-----------|---|
|   |     |                |               |                         | 1-           | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75 & over |   |
| Enteritis and other diarrhoeal diseases | M   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | - |
| Malignant Neoplasm, Oesophagus          | F   | 1              | -             | 1                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | - |
|   | M   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | - |
| Malignant Neoplasm, Stomach             | F   | 1              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | 1   | -         | - |
|   | M   | 6              | -             | -                       | -            | -  | -   | -   | -   | -   | 1   | 4   | 1         | 1 |
| Malignant Neoplasm, Intestine           | F   | 3              | -             | -                       | -            | -  | -   | -   | -   | 1   | -   | 1   | 1         | 1 |
|   | M   | 2              | -             | -                       | -            | -  | -   | -   | -   | 2   | -   | -   | -         | - |
| Malignant Neoplasm, Lung, Bronchus      | F   | 6              | -             | -                       | -            | -  | -   | -   | -   | 1   | 2   | 1   | 2         | 2 |
| Malignant Neoplasm, Breast              | M   | 20             | -             | -                       | -            | -  | -   | -   | -   | 4   | 5   | 10  | 1         | 1 |
|   | F   | 3              | -             | -                       | -            | -  | -   | -   | -   | 1   | -   | -   | 2         | - |
|   | M   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | - |
| Malignant Neoplasm, Uterus              | F   | 2              | -             | -                       | -            | -  | -   | -   | -   | 1   | 1   | -   | -         | - |
| Malignant Neoplasm, Prostate            | F   | 6              | -             | -                       | -            | -  | -   | -   | -   | -   | 2   | 2   | 1         | 1 |
| Other Malignant Neoplasms               | M   | 1              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | - |
|   | M   | 5              | -             | -                       | -            | -  | -   | -   | -   | -   | 3   | 1   | 1         | 1 |
|   | F   | 3              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | 3   | -         | - |
| Diabetes Mellitus                       | M   | 1              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | 1 |
|   | F   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | - |
| Anaemias                                | M   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | - |
|   | F   | 1              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | 1 |
| Other Diseases of Nervous System, etc.  | M   | 3              | -             | -                       | -            | -  | -   | -   | 1   | -   | 1   | 1   | -         | - |
| Chronic Rheumatic Heart Disease         | F   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | - |
|   | M   | 3              | -             | -                       | -            | -  | -   | -   | -   | -   | 2   | 1   | 1         | - |
|   | F   | 1              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         | 1 |

Classification of Deaths according to Diseases - (Continued)

| CAUSE OF DEATH                       | Sex | Total All Ages | Under 4 Weeks | 4 wks. and under 1 year | AGE IN YEARS |    |     |     |     |     |     |     |           |
|--------------------------------------|-----|----------------|---------------|-------------------------|--------------|----|-----|-----|-----|-----|-----|-----|-----------|
|                                      |     |                |               |                         | 1-           | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75 & over |
| Hypertensive Disease                 | M   | 5              | -             | -                       | -            | -  | -   | -   | -   | 1   | 3   | 1   | -         |
|                                      | F   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Ischaemic Heart Disease              | M   | 50             | -             | -                       | -            | -  | 1   | 7   | 12  | 16  | 14  | 22  | 14        |
|                                      | F   | 38             | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Other Forms of Heart Disease         | M   | 6              | -             | -                       | -            | 1  | -   | 1   | 2   | 2   | 2   | 1   | -         |
|                                      | F   | 8              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Cerebrovascular Disease              | M   | 19             | -             | -                       | -            | 1  | -   | -   | 4   | 6   | 3   | 11  | 8         |
|                                      | F   | 21             | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Other Diseases of Circulatory System | M   | 7              | -             | -                       | -            | -  | -   | -   | 1   | 3   | 2   | 3   | 7         |
|                                      | F   | 12             | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Influenza                            | M   | 2              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
|                                      | F   | 1              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Pneumonia                            | M   | 16             | -             | -                       | -            | 1  | -   | -   | -   | 1   | 4   | 10  | 21        |
|                                      | F   | 30             | -             | 1                       | -            | -  | -   | 1   | 1   | 1   | 3   | 8   | 3         |
| Bronchitis and Emphysema             | M   | 15             | -             | -                       | -            | -  | -   | -   | -   | -   | 2   | 2   | 5         |
|                                      | F   | 9              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Other Diseases of Respiratory System | M   | 3              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
|                                      | F   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Peptic Ulcer                         | M   | 2              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
|                                      | F   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Intestinal Obstruction and Hernia    | M   | 1              | -             | 1                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
|                                      | F   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |
| Cirrhosis of Liver                   | M   | 1              | -             | -                       | -            | -  | -   | -   | -   | 1   | -   | -   | -         |
|                                      | F   | -              | -             | -                       | -            | -  | -   | -   | -   | -   | -   | -   | -         |

Classification of Deaths according to Diseases - (Continued)

| CAUSE OF DEATH   | Sex | Total<br>All<br>Ages | Under<br>4<br>weeks | 4 wks.<br>and<br>under<br>1 year | AGE IN YEARS |    |     |     |     |     |     |     |                   |   |   |
|--|-----|----------------------|---------------------|----------------------------------|--------------|----|-----|-----|-----|-----|-----|-----|-------------------|---|---|
|  |     |                      |                     |                                  | 1-           | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75<br>and<br>over |   |   |
|  |     |                      |                     |                                  | 1-           | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75<br>and<br>over |   |   |
| Other Diseases of Digestive<br>System<br>Nephritis and Nephrosis<br><br>Hyperplasia of Prostate<br>Other Diseases, Genito-<br>Urinary System<br>Congenital Anomolies | M   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | F   | 2                    | -                   | -                                | -            | -  | -   | -   | -   | -   | 1   | -   | -                 | - | 1 |
|  | M   | 1                    | -                   | -                                | -            | -  | -   | -   | -   | 1   | -   | -   | -                 | - | - |
|  | F   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | M   | 2                    | -                   | -                                | -            | -  | -   | -   | -   | 1   | -   | -   | -                 | - | 1 |
|  | M   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | F   | 1                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | M   | 2                    | 1                   | 1                                | -            | -  | -   | -   | -   | -   | -   | 1   | -                 | - | - |
|  | F   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | F   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
| Birth Injury; Difficult<br>Labour, etc.<br>Other Causes of Perinatal<br>Mortality<br>Motor Vehicle Accidents   | M   | 1                    | 1                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | F   | 1                    | 1                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | M   | 2                    | 2                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | F   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | M   | 3                    | -                   | -                                | -            | -  | -   | -   | -   | 1   | -   | -   | -                 | - | 1 |
|  | F   | 1                    | -                   | -                                | -            | -  | -   | -   | -   | 1   | -   | -   | -                 | - | - |
|  | F   | 1                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | 1 |
|  | M   | 1                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | 1 |
|  | F   | 2                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | 1 |
|  | F   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
| Suicide and Self-Inflicted<br>Injuries<br>All Other External Causes  | M   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | F   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | M   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | F   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
|  | F   | -                    | -                   | -                                | -            | -  | -   | -   | -   | -   | -   | -   | -                 | - | - |
| TOTAL ALL CAUSES   | M   | 182                  | 4                   | 2                                | -            | 3  | 2   | 3   | 19  | 39  | 60  | 50  |                   |   |   |
|  | F   | 155                  | 1                   | 2                                | -            | 2  | 1   | 3   | 5   | 21  | 37  | 82  |                   |   |   |

CASES OF INFECTIOUS DISEASES CLASSIFIED IN AGE GROUPS

1969

|                      | AGE IN GROUPS        |            |     |      |       |       |       |            |
|----------------------|----------------------|------------|-----|------|-------|-------|-------|------------|
|                      | Total<br>all<br>Ages | Under<br>1 | 1-5 | 6-15 | 16-25 | 26-45 | 46-65 | Over<br>65 |
| Measles              | 218                  | 7          | 144 | 64   | 2     | 1     | -     | -          |
| Tuberculosis (Other) | 1                    | -          | -   | -    | -     | 1     | -     | -          |
| TOTAL                | 219                  | 7          | 144 | 64   | 2     | 2     | -     | -          |



# VACCINATION AND IMMUNISATION

## VACCINATION

|               | <u>Primary</u>   | <u>Re-Vaccination</u> |
|---------------|------------------|-----------------------|
| Under 5 years | 279 (293)        | 13 (8)                |
| 5-15 years    | 26 (26)          | 45 (45)               |
|               | <u>305 (321)</u> | <u>58 (53)</u>        |

## IMMUNISATION

|   | <u>Primary</u>                                      | <u>Re-Immunisation</u>                            |  |              |
|---|---|---|--|--------------|
| (a) Diphtheria, Whooping Cough, Tetanus |   |   |  |              |
| Under 5 years                           | 489 (517)   | 267 (238)   |  |              |
| 6-16 years                              | 131 (37)  | 723 (397)   |  |              |
|   | <u>620 (554)</u>                                    | <u>990 (635)</u>                                  |  |              |
| (b) Poliomyelitis                       |   |   |  |              |
| <u>Age Group</u>                        | <u>No. of persons receiving Sabin(oral) Vaccine</u> | <u>No. of persons receiving Quadruple Vaccine</u> | <u>No. of persons receiving Salk Vaccine</u> | <u>Total</u> |
| Children born in 1969                   | 117   | -   | -  | 117          |
| Children born in 1968                   | 279   | -   | -  | 279          |
| Children born in 1967                   | 77  | -   | -  | 77           |
| Children born in 1966                   | 20  | -   | -  | 20           |
| Children born in 1962-65                | 44  | -   | -  | 44           |
| Others under Age 16                     | 5   | -   | -  | 5            |
|   | <u>542</u>  | <u>-</u>  | <u>-</u>                                     | <u>542</u>   |



Persons receiving re-inforcing doses of Poliomyelitis Vaccine:

| <u>Age Group</u>         | <u>No. of<br/>persons<br/>receiving<br/>Quadruple<br/>Vaccine</u> | <u>No. of<br/>persons<br/>receiving<br/>Salk<br/>Vaccine</u> | <u>No. of<br/>persons<br/>receiving<br/>Sabin (Oral)<br/>Vaccine</u> | <u>Total</u> |
|--------------------------|---|--|--|--------------|
| Children born in 1969    | -   | -  | -  | -            |
| Children born in 1968    | -   | -  | 45   | 45           |
| Children born in 1967    | -   | -  | 71   | 71           |
| Children born in 1966    | -   | -  | 15   | 15           |
| Children born in 1962-65 | -   | -  | 414  | 414          |
| Others under Age 16      | -   | -  | 190  | 190          |
|                          | -   | -  | 735  | 735          |

(c) Measles

| <u>Age Group</u>         | <u>Primary</u> | <u>Re-Immunisation</u> |
|--------------------------|----------------|------------------------|
| Children born in 1969    | -              | -                      |
| Children born in 1968    | 47             | -                      |
| Children born in 1967    | 86             | -                      |
| Children born in 1966    | 78             | -                      |
| Children born in 1962-65 | 117            | -                      |
| Others under age 16      | <u>13</u>      | -                      |
|                          | <u>341</u>     | -                      |

(The vaccination and immunisation figures given above are for the combined Freebridge - King's Lynn area operated by Norfolk County Health Services.)



REPORT OF THE CHIEF PUBLIC HEALTH INSPECTOR

FOR THE YEAR 1969

21, Queen Street,  
King's Lynn.

To: The Mayor, Aldermen and Councillors  
of the Borough of King's Lynn.

Ladies and Gentlemen,

Annual Report time has come round once again and it is my pleasure to present my sixth report of the work carried out by the department during 1969.

The Public Health Inspection Service is a general environmental health service, seeking not merely to remove unhealthy conditions, but to promote better conditions so that health may be enjoyed in its fuller and wider sense as a state of mental and physical well-being. The ramifications of trying to achieve this objective are many, often work of an unspectacular nature carried out unheralded and unseen, but fitting into the complex jig-saw, which we seek to assemble piece by piece getting ever nearer to its completion.

Environmental health relates essentially to people, throughout their lives, from "womb to tomb", and the conditions under which their life is led; at home, at work and at leisure and the many factors bearing upon their lives in these broad based situations.

If one sought to do more for the standard of living in this country than anything else, by vigorously tackling one aspect of our problems, who can doubt that the problems to resolve would be those relating to housing. The building of new houses is an obvious and useful contribution, but the day is unlikely to dawn when everyone lives in a new house, even if this were economically viable or aesthetically desirable. Of great importance is the need for the modernisation and upgrading of existing older houses to provide units of accommodation in good structural condition and possessing modern amenities - should we not be living in an era where the outside lavatory is a curiosity of the past and the tin bath is only seen in the place where it belongs - a folk museum!

An administrative step was taken in this direction during the year by the introduction of the Housing Act, 1969. This Act gives purpose to the White Paper "Old Houses into New Homes", and seeks to readjust the balance between the building of new houses, the improvement of older but sound houses and the demolition of the old and unfit.

The Act changes the basis of compensation payable to property owners in Clearance Areas, the increased compensation being considerable in certain cases. Many people feel that this was an adjustment long overdue, to bring compensation to a realistic level. There is no doubt that the effect of this is to increase the cost of the clearance of unfit houses substantially, but more equitable procedures can now be seen to be followed.

All previous legislation relating to Improvement Grants was repealed and replaced by less constrictive, wider, more varied and more generous contributions towards the cost of improvement works, including, in certain cases, works of repair. This latter provision is entirely new in this field.

The third radical change is the enabling power for local authorities to declare General Improvement Areas. The purpose is to get both individual houses and their environment improved in certain carefully selected areas. The grants available for environmental improvement are completely new and based upon the theory that not only should a house be in good condition and possess modern amenities, but it should also be sited in an area which is pleasant and which possesses the neighbourhood amenities, so necessary if present day life is to be enjoyed and the quality of life improved.

It is now a statutory duty for a local authority to review the housing conditions in its area to decide what action needs to be taken by way of clearance, repair or improvement. A complete survey of the town was carried out towards the end of the year, when a clearance programme was devised and accepted in principle by the Council. This will now form the basis of clearance representations over the next four years. Periodic reviews of this programme will be carried out from time to time and this will be extended to include improvement areas in the future. The Minister made it clear that he would regard the improvement and repair of the existing stock of houses in the area as an integral part of the authority's programme.

Clearly a great deal remains to be done in the public health field of housing. The job before us is gargantuan, but I am confident that with a recognition and delineation of the various aspects of the problem; given enthusiastic support and co-operation from members and fellow officers, substantial and sustained progress can be made towards the goal of thoroughly good housing conditions for all.

It is pleasing to record that the professional staff remained unchanged during the year, thus enabling greater continuity and stability to be achieved. The Pupil Public Health Inspector completed her four years of training and was successful in obtaining the Final Diploma of the Public Health Inspectors Education Board. After qualification she was taken on to the staff in her "qualified" capacity.

In concluding these opening words of my report I wish to express my appreciation for the consideration and support which I have received from the Chairman and members of the Housing and Health Committee, along with my colleagues in other departments. The work recorded in the following pages reflects our work as a team, to which all members of my staff have contributed; I thank them for their efforts, sometimes freely given beyond the normal calls of duty and, in particular, would thank my Deputy for his loyal support throughout the year.

I am, Mr. Mayor, Ladies and Gentlemen,  
Your obedient Servant,

BRYAN R BEAUMONT,

Chief Public Health Inspector



STATISTICS OF AREA

|                                  |            |
|----------------------------------|------------|
| Area in acres                    | 6,687      |
| Population Estimate mid 1969     | 30,650     |
| Average no. of persons per acre  | 4.56       |
| No. of inhabited houses          | 10,535     |
| No. of inhabited houses per acre | 1.57       |
| Average no. of persons per house | 2.81       |
| R.V.                             | £1,796,463 |
| Product of 1d. rate              | £7,425     |

INSPECTION OF THE DISTRICT

|  |                                 |      |
|--|---------------------------------|------|
| Public Health Acts<br>1936-61              | Total examinations and visits   | 961  |
| Housing Acts,<br>1957-69                   | General inspections             | 891  |
|  | Improvement Grants              | 213  |
| Clean Air Act                              | Total inspections and visits    | 182  |
| Food and Drugs                             | Total inspections and visits    | 350  |
| Food Hygiene                               | Total inspections and visits:-  |      |
|  | Premises                        | 718  |
|  | Markets                         | 431  |
| Infectious Diseases                        | Total visits and investigations | 54   |
| Caravan Sites                              | Total inspections and visits    | 34   |
| Offices, Shops and<br>Railway Premises Act | Total inspections and visits    | 216  |
| Port Health                                | Total inspections and visits    | 862  |
|  | Vessels boarded and inspected   | 290  |
| Rodent Control                             | Total visits and treatments     | 5549 |
| Interviews                                 | Various                         | 397  |
| Factories Act                              | Total inspections and visits    | 127  |
| Noise Control                              | Visits                          | 23   |



## HOUSING

### Repair - Housing and Public Health Acts

Total number of houses repaired in consequence of informal action (All Acts) 10

#### Section, 9,10 & 16 Housing Act, 1957

No formal action was taken under this legislation during the year.

#### Public Health Acts (and similar local Acts)

|  |             |           |
|--|-------------|-----------|
| Number of notices served                             | Informal 16 | Formal 19 |
| Number of houses repaired after service of notices:- |             |           |
| (a) by owner   |             | 13        |
| (b) by local authority                               |             | -         |

#### Beyond Repair - Housing Act, 1957

|  |     |
|--|-----|
| Number of undertakings accepted (Section 16)           | 2   |
| Number of Closing Orders made (Section 17)             | 4   |
| Number of Demolition Orders made (Section 17)          | 3   |
| Number of houses demolished following Demolition Order | 3   |
| Number of Closing Orders (Section 18)                  | Nil |
| Number of Closing Orders determined (Section 17)       | 3   |

### Clearance Areas

#### Compulsory Purchase Order confirmed by Minister

| <u>Date Confirmed</u> | <u>Area</u>       | <u>No. of dwellings</u> |
|-----------------------|-------------------|-------------------------|
| 16.5.69               | South Clough Lane | 187                     |

#### Action taken during the year

Houses demolished by local authority or owners:-

|            |     |
|------------|-----|
| (a) unfit  | 144 |
| (b) others | 19  |

Numbers displaced:-

|                 |     |
|-----------------|-----|
| (a) individuals | 331 |
| (b) families    | 156 |

## Improvement Grants

### (a) Standard Grants

#### Number of Applications

|               |                 |     |
|---------------|-----------------|-----|
| (i) Received  |                 |     |
|               | Owner/Occupier  | 49  |
|               | Tenanted Houses | 7   |
| (ii) Approved |                 |     |
|               | Owner/Occupier  | 36  |
|               | Tenanted Houses | 7   |
| (iii) Refused |                 |     |
|               | Owner/Occupier  | Nil |
|               | Tenanted Houses | Nil |

#### Number of Dwellings Improved

|                            |               |
|----------------------------|---------------|
| (i) Owner/Occupiers        | 24            |
| (ii) Tenanted              | 10            |
| Amount paid in Grants      | £4,801        |
| Average grant for dwelling | £141. 2. 11d. |

#### Amenities Provided

|       |   |    |
|-------|---|----|
| (i)   | Fixed Bath/Shower                                     | 22 |
| (ii)  | Wash Hand Basin                                       | 26 |
| (iii) | Hot Water Supply                                      |    |
|       | (a) at 1 or 2 points                                  | 14 |
|       | (b) at 3 points                                       | 21 |
| (iv)  | Water Closets   | 27 |
| (v)   | Food Store (Grant no longer available under 1969 Act) | 19 |

### (b) Discretionary and Improvement Grants

#### Number of Applications

|       |          |     |
|-------|----------|-----|
| (i)   | Received | 6   |
| (ii)  | Approved | Nil |
| (iii) | Refused  | Nil |

|                       |        |
|-----------------------|--------|
| Amount paid in Grants | £1,147 |
|-----------------------|--------|

#### Number of Dwellings Improved

|                     |   |
|---------------------|---|
| (i) Owner Occupiers | 2 |
| (ii) Tenanted       | 2 |

Any apparent discrepancy in the figures quoted above, result from grants that are still receiving attention but are in fact "in the pipeline".

The introduction of the Housing Act, 1969 which became operative during the year placed increasing emphasis on improvement grants.

These new proposals were backed up with extensive Government sponsored publicity. Already there has been a marked increase in the number of grant enquiries and it is to be hoped that this increase will continue, despite the fact that all this has resulted in a considerable increase in the departmental work load.

There are provisions in the legislation for the declaring of Improvement Areas including general environmental and amenity improvement, surveys of potential General Areas of Improvement have been commenced by the department.

#### Rent Act, 1957

No action was taken under this legislation during the year.

#### Houses in Multiple Occupation

|   |    |
|---|----|
| Total number of houses in multiple occupation | 38 |
|---|----|

|  |   |
|--|---|
| Number of houses estimated to need attention under the Housing Act, 1961 | 5 |
|--|---|

Number of notices served:-

|   |     |
|---|-----|
| (a) to make good neglect of proper standards of management (Section 14) | Nil |
| (b) to require additional services or facilities (Section 15)           | 2   |

Number of notices complied with:-

|                                   |     |
|-----------------------------------|-----|
| (a) by owner                      | 2   |
| (b) by local authority in default | Nil |

#### Common Lodging Houses

There are no Common Lodging Houses in the Borough.

## FOOD PROTECTION

### MEAT INSPECTION

No slaughtering takes place within the local authority area.

Increasingly large quantities of meat, for human consumption, are stored at a cold store within the Borough, this meat is subject to routine check and inspection by the department.

### POULTRY INSPECTION

There are no processing plants within the Borough. Inspection is confined to the birds stored or exposed for sale at retail premises, and, as part of the routine work of the department, all poulterers and butchers shops are visited and all poultry inspected during the Christmas season.

### UN SOUND FOOD SURRENDERED OR CONDEMNED

|                               | Tons | Cwt. | lbs. |
|-------------------------------|------|------|------|
| Meat at Retail Shops          | -    | 2    | 4    |
| Cooked Meat and Meat Products | -    | -    | 56   |
| Canned Meat                   | -    | 7    | 63   |
| Other Canned Foods            | 1    | 3    | 25   |
| Fruit and Vegetables          | -    | 1    | 50   |
| Other Foods                   | 10   | 18   | 86   |
|                               | 12   | 13   | 60   |

### MEAT (STERILIZATION) REGULATIONS

New legislation under the above heading became operative on the 1st November, 1969.

The object of this legislation is to preclude the movement of any unsound meat to possible retail outlets, unless it is "sterilized". This stopped the system whereby unfit meat could be sold for pet food, provided it was stained in a distinctive manner.

As far as retail sales from shops within the Authority are concerned, there was a complete change in material handled and technique employed. One retailer decided on setting up his own processing plant and, as such, became a processor and complied with all requirements relating to proper carriage of unfit materials from source to processing establishment. Although this was agreed to with some misgivings, it appears to be working quite satisfactorily.



Another retailer is now handling sound fresh meat only.

Complaints have been received that sources of fresh unfit meat were available outside this Authority. These complaints have been referred to the appropriate Local Authorities but none were proved. Whether such instances will arise will be a matter of continuous check and enquiry for there appears to be a ready market for such meat. Clearly the public who purchase meat in a fresh unsound, uncooked condition to feed it to their pets, do so at risk to themselves and their animals.

The criticism of previous legislation that it gave inadequate control over the movement of unfit material following its importation can still be made. Certainly the quantity of scrap meat and offals being dumped in this country from the World Market for conversion into pet foods continues to increase.

Considerable quantities of this material is bulk stored at the large cold store situated within the Borough, prior to its movement to factories for processing. The high level of co-operation that exists between this department, the company storing and the company processing this material continues to ensure a very realistic control over its movement.

#### CHEMICAL EXAMINATION

##### Food and Drugs Sampling

|       | Number of Samples |          | Unsatisfactory Reports |           |
|-------|-------------------|----------|------------------------|-----------|
|       | Formal            | Informal | Analysis               | Labelling |
| Food  | 48                | 19       | 4                      | Nil       |
| Drugs | 2                 | Nil      | Nil                    | Nil       |

##### Details of Unsatisfactory Samples

Of the unsatisfactory samples recorded above, two relate to food complaints further details of which are given subsequently in this report.

Of the remainder, one was an informal sample of pork sausage meat, found to be inadequate in meat content, this food was being supplied under contract and the person concerned subsequently asked to be released from his contract. The second related to an informal sample of fancy boxed dates, the contents were found to be contaminated by sawdust a direct result of woodworm infesting the wooden container.

## BACTERIOLOGICAL

Total number of samples taken

56

### Ice-Cream Samples

| Grade          | Mobiles |    |     |     | Premises |     |     |     |
|----------------|---------|----|-----|-----|----------|-----|-----|-----|
|                | I       | II | III | IV  | I        | II  | III | IV  |
| Soft Ice-Cream | 4       | 1  | Nil | Nil | 4        | Nil | Nil | Nil |

As in previous years most interest and sampling has been centred on soft ice cream production and distribution.

### Other Foods

| <u>Sample</u>      | <u>Number Taken</u> | <u>Number Unsatisfactory</u> |
|--------------------|---------------------|------------------------------|
| Shrimps            | 4                   | 1                            |
| Milk               | 2                   | Nil                          |
| Shellfish          | 8                   | Nil                          |
| Cooked Meat        | 4                   | Nil                          |
| Fresh Cream        | 2                   | Nil                          |
| Meat Pies          | 7                   | 2                            |
| Trifles            | 2                   | Nil                          |
| Pasteurised Liquid |                     |                              |
| Egg                | 1                   | Nil                          |

### Milk and Milk Production

Bacteriological samples of pastuerised and sterilised milk were reported as satisfactory.

During the year 8 milk churn rinses and 12 washed milk bottles were submitted for examination. All results proved to be satisfactory.

### Brucella Abortus

No raw milk is sold in the Borough.

### Swimming Pool

Routine bacteriological examination of water from the municipal swimming pool (situated in the Walks), was carried out during the year.

|                       | Results |              |                |
|-----------------------|---------|--------------|----------------|
|                       | Number  | Satisfactory | Unsatisfactory |
| Swimming Pool Samples | 8       | 7            | 1              |

The procedure whereby a member of my staff visited the swimming pool at regular intervals to carry out visual tests to check the residual chlorine and pH levels continued to be carried out satisfactorily during the year. Under this system, a much closer control of the pool from a water quality viewpoint is maintained.

### Water

During the year, 3 samples of drinking water from domestic premises were taken, these followed complaints to the department and all results obtained proved satisfactory.

A source of water from a shallow well, used at a local dairy for cooling purposes was replaced by mains water supply. Although the original supply was subject to manual chlorination this was not considered satisfactory.

### Egg Pasteurisation

There are no egg pasteurisation plants in the Borough.

### EXPORT FOOD

The increase in the volume of tinned food-stuff being manufactured in local food factories for export all over the world continued. This material is inspected by the department with a view to the issuing of the necessary certificates as to quality and purity of each consignment. These certificates accompany each consignment and have to be available for inspection at the time of arrival at the foreign destination. During the past year 126 visits were made for this purpose.



## FOOD COMPLAINTS

| <u>Commodity</u>     | <u>No.</u> | <u>Adulterant</u>            |
|----------------------|------------|------------------------------|
| Meat                 | 1          | Fly blown                    |
| Apple Pie            | 1          | Alleged abnormal flavour     |
| Chicken & Chips      | 1          | Maggot                       |
| Cheese               | 1          | Inferior quality             |
| Cheese               | 1          | Nail                         |
| Oysters              | 1          | Abnormal odour               |
| Salmon Sandwiches    | 1          | Abnormal taste               |
| Eggs                 | 1          | Decomposed                   |
| Bread Rolls          | 3          | Mouldy                       |
| Bread                | 2          | Mouldy                       |
| Fruit Flan           | 1          | Mouldy                       |
| Wafer Biscuit        | 1          | Contained foreign material   |
| Milk Churn           | 1          | Dirty                        |
| Fried Fish           | 1          | Alleged decomposed           |
| Fruit Malt Loaf      | 1          | Metal                        |
| Plaice (Frozen)      | 1          | Contained paper label        |
| Milk Bottle          | 1          | Dirty                        |
| Cake                 | 2          | Discoloured and abnormal     |
| Apple & Meringue Pie | 1          | Mouldy                       |
| Pork Pie             | 1          | Foreign body (Pig Hairs)     |
| Tin Peas             | 1          | Foreign body (Poppy Head)    |
| Tin of Stewed Steak  | 1          | Foreign body (Rubber Washer) |
| Sausages             | 1          | Glass                        |
| Sausages             | 3          | Mouldy                       |
| Steak Pie            | 1          | Mouldy                       |
| Sausage Meat         | 1          | Mouldy                       |

Each of these complaints was the subject of detailed investigation and in 21 cases, warning letters indicating the seriousness of the matter were sent to the persons or company concerned. In one case legal proceedings were instituted and a fine of £30 imposed by the Magistrates.

There has been a marked increase in the number of complaints received during the year. It is difficult to assess the significance of this increase, whether it can be said to indicate any overall deterioration in food handling is doubtful; alternatively, increased sensitivity on the part of the public may play an important part in this enlargement of complaints.

Two complaints warrant further comment:-

The first related to alleged glass in a large consignment of meat rissoles. On analysis of a number of specimens, siliceous matter was found to be present in small quantities and eventually it was agreed that some 9 tons of this product be released for animal feeding following confirmation that there was no risk.

Another complaint relating to a dairy product was eventually followed through, via the agricultural representative in this country to the processing establishment in the Antipodes where a full investigation was carried out.

During the year, the department were called into a local school where difficulty was being experienced in the quality of meat delivered for school meals. Apart from the fact that some of the meat was not of the description required, part of the consignment was seized as unfit and presented before a magistrate for condemnation. It became obvious on enquiry, that the butcher under contract to supply this meat was suffering considerable pressure due to staffing difficulties. Following the incident the butcher concerned surrendered his contract and as the result of this, legal action was not proceeded with on this occasion.

### FOOD HYGIENE

During the year considerable effort was directed into Food Hygiene, as is reflected in the statistics. In view of the fact that the food industry is the basic industry of King's Lynn the large food processing factories were inspected on a regular basis.

In a food cannery complex the problems arising are many, especially when many of the plants have to be adapted to meet the needs of each specific process as the various raw materials become available throughout the season. The high peak is reached in the pea season with most plants working 24 hour shifts.

To maintain hygienic standards is not easy, with much of the processing nearer to agricultural activity than the more traditional concept of food production. In these circumstances it is easy for overall levels to deteriorate. With regular visitation and the co-operation of management there

has been a marked improvement. In several factories more attention is being given to the hygienic construction of premises and plant and improved facilities for staff.

One side effect in the peak season is a large influx of student labour with the resulting difficulties of finding sufficient suitable accommodation for them. This is a potential problem to which both this department and industry is sensitive. Apart from an occasional complaint, the problem appears to be being overcome satisfactorily.

During the year a large national company opened an extensive meat and meat product factory in the Borough. The department was actively engaged throughout its planning and construction stages, advising and assisting in problems relating to the hygienic running of the premises. The value of the local health inspectorate being involved in all new premises, particularly those relating to food handling and preparation, at every stage from drawing board to completion cannot be over-emphasised. The premises in question have proved an excellent example of the value of such co-operation.

It is appropriate to comment that good hygienic practice and design is not something that has to be tolerated as additional expense with no contribution to overall efficiency; these two items are closely allied, with overall hygienic design in both premises and equipment contributing directly to efficiency.

During the year work was completed on nearly all the Council owned shops in the Borough. These were extended in many cases to give additional staff facilities and sanitary accommodation, where necessary, to comply with current legislation. At the same time, as the result of a changing pattern of use, additional food preparation rooms and stores were added. Proper storage for waste was provided, incorporating dry storage for salvagable cardboard etc. and facilities to accommodate the large bulk refuse bins now in increasing use in the Authority. The exercise was not only a case of the Local Authority putting its own house in order, but proved to be of real practical value to the tenants of the shops.

Throughout the year, routine inspection of all food stalls, on the two regular markets continued to be carried out. A satisfactory general overall standard appears to be kept only when continuous inspection is carried out by the department.

During the year legal proceedings under the Food Hygiene (Markets, Stalls and Delivery Vehicles) Regulations, 1966 were instituted against a stall-holder on 5 charges. The person involved was found guilty on all counts and a fine totalling £10 was imposed.

# FOOD HYGIENE

## Food Premises subject to Food Hygiene (General) Regulations, 1960

| Trade                    | Total no.<br>of premises | In compliance<br>with Reg 16 | To which<br>Reg 19<br>applies | In compliance<br>with Reg 19 | No. of<br>inspections |
|--------------------------|--------------------------|------------------------------|-------------------------------|------------------------------|-----------------------|
| Bakehouses               | 5                        | 5                            | 5                             | 5                            | 22                    |
| Butchers                 | 40                       | 40                           | 40                            | 40                           | 78                    |
| Cafes, Restaurants etc.  | 17                       | 17                           | 17                            | 17                           | 54                    |
| Canteens                 | 21                       | 21                           | 21                            | 21                           | 30                    |
| Confectioners            | 11                       | 11                           | 11                            | 11                           | 36                    |
| Dairies                  | 1                        | 1                            | 1                             | 1                            | 16                    |
| Fishmongers              | 4                        | 4                            | 4                             | 4                            | 5                     |
| Food Preparing Factories | 9                        | 9                            | 9                             | 9                            | 128                   |
| Fried Fish Shops         | 21                       | 21                           | 21                            | 21                           | 28                    |
| Grocers                  | 43                       | 43                           | 43                            | 43                           | 175                   |
| Ice Cream Premises       | 77                       | 77                           | 77                            | 77                           | 10                    |
| Licensed Premises        | 61                       | 61                           | 61                            | 61                           | 130                   |
| Milk Dealers (licensed)  | 49                       | 49                           | 43                            | 49                           | *                     |
| Others                   | 11                       | 11                           | 11                            | 11                           | 100                   |
| School Meals Service     | 8                        | 8                            | 8                             | 8                            | 33                    |
| Shrimp Peelers           |                          |                              |                               |                              |                       |
| (including outworkers)   | 12                       | 12                           | 12                            | 12                           | 12                    |
| Sweetshops               | 18                       | 18                           | 18                            | 18                           | 14                    |

\* Normally inspected in conjunction with other business



## OFFICES AND SHOPS

Registration at 31st December, 1969 of premises under the Offices,

Shops and Railway Premises Act, 1963

| Class of Premises                          | Number of Premises registered during the year | Number of registered Premises at end of year | Number of registered Premises receiving a general inspection during the year |
|--|---|--|--|
| Offices                                    | 3   | 138  | 28   |
| Retail Shops                               | 11  | 213  | 30   |
| Wholesale Shops, Warehouses                | -   | 23   | -  |
| Catering Establishments open to the public | 2   | 17   | 1  |
| Fuel Storage Depots                        | -   | 6  | 2  |
| TOTAL                                      | 16  | 397  | 61   |

(A general inspection is one in which the firm's overall compliance with the provisions of the Act in general is assessed and may well involve one or more visits of inspection).

Total visits of inspection 216

Employees Covered by Registration at 31st December, 1969:-

|                         |      |
|-------------------------|------|
| Offices                 | 1369 |
| Retail Shops            | 1315 |
| Wholesale Depts., etc.  | 289  |
| Catering Establishments | 206  |
| Canteens                | 12   |
| Fuel Storage Depots     | 92   |
| Male                    | 1560 |
| Female                  | 1723 |

### Notification of Accidents

In the period under review 17 non-fatal accident notifications were received. 7 of these were subject to investigation, as a result of which informal advice was given.

## Enforcement

Intimation of the following deficiencies were given:-

|                       |     |                              |     |
|-----------------------|-----|------------------------------|-----|
| Cleanliness           | 12  | Supply of drinking water     | 6   |
| Overcrowding          | Nil | Accommodation for clothing   | 6   |
| Temperature           | 6   | Sitting Facilities           | Nil |
| Ventilation           | 1   | Seats for Sedentary Workers  | Nil |
| Lighting              | 8   | Floors, Passages and Stairs  | 15  |
| Sanitary Conveniences | 12  | First Aid General Provisions | 11  |
| Abstract Displayed    | 15  | Fencing of Machinery         | 2   |
| Washing Facilities    | 9   |                              |     |

## Observations

The pattern of work is now that of routine inspections of all registered premises. During the year, re-inspections of all premises with outstanding deficiencies was completed. The initial phase of bringing into operation this legislation is now finalised.

## CLEAN AIR

### Height of Chimneys

|  |     |
|--|-----|
| Number of Plans submitted (Sections 3 and 10)                    | 10  |
| Numbers approved: (a) without modification                       | 7   |
| (b) with modification  | 3   |
| Number of Chimneys erected not complying with the approved plans | Nil |
| Number of Chimneys erected outside the control of Section 10     | Nil |

### Smoke Observations

|                                   |     |
|-----------------------------------|-----|
| Observations taken                | 36  |
| Number of contraventions recorded | 10  |
| Verbal and written advice offered | 2   |
| Prosecutions taken                | Nil |

### Industrial Pollution

Considerable departmental effort was directed at the chemical complex developing in the town. Complaints were received by the department regarding this source. A high level of co-operation and mutual confidence exists between the industrial undertaking and the local authority as the result of which, works of reconstruction were put in hand to overcome certain problems that were found to be giving rise to the complaints.

A large commercial undertaking was causing a considerable problem from smoke emission. This was found to be caused by existing solid fuel fired steam raising plant, being worked beyond its capacity. Following representations work has commenced to replace the existing plant with modern and more suitable equipment.

Although reconstruction work is not yet completed, the problem has greatly reduced.

### Domestic Pollution

Application has now been made to the Ministry for confirmation of the Authority's second Smoke Control Area which incorporates Reffley Estate, an area of private development which will eventually comprise some 550 dwellings.



## WATER SUPPLY

1. On the 1st April, 1969 the North-West Norfolk Water Board assumed responsibility for the water supply in the municipal borough, and during the year the Board asked the Borough to continue to supply water on an agency basis.

2. Regular sampling of the water both at the pumping station and in the distribution system having taken place, and of the 580 samples taken only 4 from the distribution system were not entirely satisfactory.

3. Samples were sent to the Analyst for a certificate of chemical analysis of the water and the result did not differ materially from the previous year. A typical analysis being as follows:-

### Certificate of Analysis of Water

Appearance when received - Clear

Nature of Deposit - Nil

Colour - Nil

pH - 7.4                      Odour - Nil              Taste - Satisfactory

### Results of Chemical Analysis in Parts per Million

|                                 |            |
|---------------------------------|------------|
| Ammoniacal nitrogen             | neg. trace |
| Albuminoid nitrogen             | 0.01       |
| Nitrate nitrogen                | 5.5        |
| Nitrite nitrogen                | 0.02       |
| Chloride as Cl                  | 20         |
| Permanganate Value (4hr)        | 0.08       |
| Hardness as CaCO <sub>3</sub>   | 250        |
| Carbonate (temporary)           | 210        |
| Non-carbonate (permanent)       | 40         |
| Alkalinity as CaCO <sub>3</sub> | 210        |
| Free carbon dioxide             | 14         |
| Total solids (at 180°C)         | 285        |
| Iron (total)                    | 0.02       |
| Metals in solution              | Nil        |

## Opinion

The organic quality of this water is very good. The chemical analysis shows no sign of pollution and is satisfactory in all respects. This water is suitable for drinking and general purposes.

4. The total consumption during the year was once again more than the previous year. Total quantity delivered into supply being 1,531 million gallons, an increase of 84 million gallons on the previous year.

5. During the year a start has been made on the River Wissey Scheme to produce four million gallons of water per day for use in the Borough and the surrounding Freebridge area, and completion of the work is expected in the summer of 1971. The cost of these works together with a large diameter reinforcement main linking the northern edge of the town is estimated to cost 1.4 million pounds.

(I am indebted to the Engineer/Manager of the North-West Norfolk Water Board for the information concerning water supply).

## PUBLIC CLEANSING

There is no material change to record in this section of the Corporation's work. Street cleansing is carried out by mechanical means supplemented by manual labour. Street gullies receive attention by means of mechanical gulley emptiers.

## Refuse Collection and Disposal

This service has continued smoothly over the year with an increase in number of properties coming on to the paper sack system which is now used for all new Corporation Housing Developments. The use of bulk containers for commercial premises and also for the larger residential units is also being extended. Disposal continues by means of controlled tipping. Space for this purpose within the Borough Boundaries is becoming difficult to find.

(I am indebted to the Borough Engineer for the above information concerning Public Cleansing).

# FACTORIES ACT, 1937

## Inspection for purposes of provisions as to Health

| Premises   | No. on Register | Inspections | Written Notices | Occupiers Prosecuted |
|--|-----------------|-------------|-----------------|----------------------|
| (i) Factories in which Secs. 1, 2, 3, 4, and 6 are to be enforced by the Local Authority                 | 2               | 5           | -               | -                    |
| (ii) Factories not included in (i) in which Sec. 7 is enforced by Local Authority                        | 173             | 120         | 18              | -                    |
| (iii) Other premises in which Sec. 7 is enforced by the Local Authority (excluding out-workers premises) | 5               | 2           | -               | -                    |
| TOTAL  | 180             | 127         | 18              | -                    |

OUTWORK

| Nature of Work                         | No. of out-workers in August list | No. of Premises Inspected | No. of cases of default in sending lists to the Council | No. of instances of work in unwholesome premises | Notices Served | Prosecutions |
|--|-----------------------------------|---------------------------|---|--|----------------|--------------|
| Making and Altering of Wearing Apparel | 3                                 | 3                         | None  | None   | None           | None         |
| Shrimp Peeling                         | 12                                | 12                        | None  | None   | None           | None         |

## FACTORIES

An effort was made to inspect the great majority of factories on the Authority's register during the year. Some 127 inspections were made and apart from defects of a minor nature which were commented on verbally, the number of written notices of defects was relatively low.

It is of interest to note that a number of these deficiencies related to ventilation of sanitary accommodation. Legislation requiring proper ventilation has been operative since 1903, but despite every check at planning and constructional stage these deficiencies continue to recur. One would have thought that after 66 years, architects designing factories would have been well aware of legal requirements in this connection.

## CLEANSING STATION AND INCINERATION PLANT

At the beginning of the year, the new Cleansing Station in Horsleys Chase was completed and commissioned. These premises are of modern and pleasing appearance although designed to fulfill a utilitarian purpose. The plant incorporates a modern, gas-fired incinerator of sophisticated design, capable of incinerating most waste material, including that of an organic nature, smokelessly and without creating a nuisance. After nearly one years operation, the claims of the manufacturers to achieve this high standard have been proved correct.

In the cleansing station, the disinfecter, previously at the Authority's old plant, has been refurbished and despite early difficulties is fully functional. Although the availability of such plant is now very restricted throughout East Anglia, it is perhaps worthy of comment that despite modern scientific developments, steam disinfection is still the first and only reliable line of defence for ensuring adequate disinfection against many of the major diseases.

## DISEASES OF ANIMALS ACTS

Supervision at all local livestock markets, together with the issuing of licences as required was carried out by the Diseases of Animals Inspector. In addition, routine inspections are made of all pig keepers premises.

## PET ANIMALS ACT

4 licences were operating throughout the year in respect of the keeping of Pet Shops.



## CARAVANS

5 licences were operating throughout the year in respect of caravan sites which covered a total of 103 individual caravans.

The unofficial use of a heavy vehicle park within the town, as a staging camp for many itinerant van dwellers gave rise to a considerable problem during the year.

Complaints were received about the general conditions existing at the site and these were proved to be fully justified.

Within the letter of the law the Authority are justified in insisting on the removal of these vans, but whether such action is the long term answer to this national problem is doubtful. The setting up of an established site for such persons has received much publicity, this being a responsibility resting with the County Council, but it would be an over simplification merely to expect such sites to appear. The problems of setting up and establishing such sites are very difficult to meet the needs of both van dweller and community and there are very real fears from residents in an area where such a site is proposed to be located. In the meantime every effort is made to cope with the problem within the bounds of current legislation.



|  | TYPE OF PROPERTY |              |
|--|------------------|--------------|
|  | Non-Agricultural | Agricultural |
| Properties other than sewers   |                  |              |
| 1. Number of properties in district  | 12,206           | 51           |
| 2. (a) Total number of properties (including nearby premises) inspected following notification       | 274              | 35           |
| (n) Number infested by   |                  |              |
| (i) rats   | 199              | 35           |
| (ii) mice  | 75               | -            |
| 3. (a) Total number of properties inspected for rats and/or mice for reasons other than notification | 374              | 16           |
| (b) Number infested by   |                  |              |
| (i) rats   | 310              | 5            |
| (ii) mice  | 64               | -            |

The new system of rodent control inaugurated some 3 years ago, which fundamentally is linked to a system of permanent baiting points throughout the Borough, has now proved its worth. In all there are approximately 500 to 600 permanent baits situated throughout the district which are visited and serviced on a regular basis by the operatives.

This has been achieved with no increase in staff and little increase in materials. The outcome has been a positive reduction in the overall rat population, resulting in a reduction of complaints of rats to the department by the general public of some 50% - a creditable result.

The routine treatment for rats in sewers within the town continued, using the poison "1081" based on flouracetamide.



KING'S LYNN PORT HEALTH AUTHORITY

ANNUAL REPORT

of the

Port Medical Officer of Health

and

Chief Port Health Inspector

PORT OF KING'S LYNN

Section 1 Staff

Table A

| Name of Official   | Nature of Appointment              | Date of Appointment | Qualifications   | Other Appointments held   |
|--------------------|------------------------------------|---------------------|--|---|
| J. Mc.D<br>HANLEY  | Port Medical Officer of Health     | 1.4.69              | L.R.C.P.,<br>L.R.C.S.,<br>L.R.F.P.S.<br>D.P.H. &<br>M.R.S.H. | Medical Officer of Health, King's Lynn B.C. Downham, Marshland, Freebridge Lynn R.D.C.'s Downham U.D.C., Assis. County Medical Officer Norfolk County Council |
| B.R.<br>BEAUMONT   | Chief Port Health Inspector        | 31.8.64             | M.A.P.H.I.<br>M.R.S.H.                                       | Chief Public Health Inspector, Borough of King's Lynn   |
| E.J.<br>HACKER     | Deputy Chief Port Health Inspector | 2.11.64             | M.A.P.H.I.<br>M.R.S.H.                                       | Deputy Chief Public Health Inspector, Borough of King's Lynn  |
| E.R.<br>POTTS      | Additional Port Health Inspector   | 25.4.66             | M.A.P.H.I.   | Additional Public Health Inspector Borough of King's Lynn   |
| V.J.<br>GEORGE     | Additional Port Health Inspector   | 9.9.68              | M.A.P.H.I.   | Additional Public Health Inspector, Borough of King's Lynn  |
| Miss C.A.<br>EAGLE | Additional Port Health Inspector   | 5.7.69              | M.A.P.H.I.   | Additional Public Health Inspector, Borough of King's Lynn  |

Address and Telephone Numbers of the Medical Officer of Health:-

Office: 15, Nelson Street, King's Lynn - Telephone King's Lynn 3643

Residence: "St. Clement", Lynn Road, Downham Market - Telephone D.M. 3063

Address and Telephone Numbers of the Chief Port Health Inspector:-

Office: 1, St. Margaret's Place, King's Lynn - Telephone K.L. 5001-8  
Extn. 49

Residence: "Coley", 22, Parkhill, Middleton, King's Lynn -  
Telephone Middleton 369

SECTION 11

Amount of Shipping enterint the District during the year

Table B

| Ships     | Number | Tonnage | Number Inspected                      |                              | Number of Ships reported as having or having had during the voyage Infectious Disease on Board |
|-----------|--------|---------|---------------------------------------|------------------------------|--|
|           |        |         | By the Port Medical Officer of Health | By the Port Health Inspector |  |
| Foreign   | 496    | 134364  | 1                                     | 255                          | Nil  |
| Coastwise | 379    | 145132  | Nil                                   | 39                           | Nil  |
| Total     | 875    | 279496  | 1                                     | 294                          | Nil  |

SECTION 111

Character of Shipping and Trade during the year

Table C

|  |                                |  |           |           |
|--|--------------------------------|--|-----------|-----------|
| Passenger Traffic:                       | Number of Passengers INWARDS:  | British 43   | Alien 164 | TOTAL 207 |
|  | Number of Passengers OUTWARDS: | British 27   | Alien 122 | TOTAL 149 |
| Cargo Traffic:                           | Principal IMPORTS:             | Petroleum, Fertiliser, Timber, Iron, Steel, Non Ferrous Metals, Foodstuff and General. |           |           |
|  | Principal EXPORTS:             | Grain, Iron, Steel and General   |           |           |
| Principal Ports from which Ships Arrive: | Rotterdam:                     | Antwerp:   | Hamburg:  | Stettin:  |
|  | Gdansk:                        | Wisnar:  | Bremen:   | Hamina:   |
|  |                                |  |           | Aarhus:   |

SECTION IV    Inland Barge Traffic

Nil

SECTION V    Water Supply

No Change

SECTION VI    Public Health (Ships) Regulations, 1952/1966

No Change

SECTION VII    Smallpox

(i) Hospital

By arrangements of the East Anglian Regional Hospital Board, the Smallpox Hospital for this area is:-

St. Helen's Hospital,  
IPSWICH.

(ii) Transport

The Ambulance Transport is provided by the Ipswich Ambulance Service.

(iii) Smallpox Consultants

- (a) Dr. W.A. Oliver, M.B.E., Norfolk and Norwich Hospital, Norwich.
- (b) Dr. D.F. Hadman, The Old Vicarage, Bedingham, Woodton, Norfolk.
- (c) Dr. R.A. Leader, Elm Street, Ipswich.

(iv) Facilities for Laboratory Diagnosis of Smallpox

Specimens would be sent to Dr. A.D. Macrea, Virus Reference Laboratory, Colindale Avenue, London, N.W.9. Notification of despatch would be given by Telephone (01 205 7041).

SECTION VIII    Venereal Diseases

No Change.



Cases of notifiable and other Infectious Diseases on ShipsTable D

|  | Disease | Number of cases during the year |      | Number of Ships Concerned |
|--|---------|---------------------------------|------|---------------------------|
|  |         | Passengers                      | Crew |                           |
| Cases landed from Ships from Foreign Ports   | Nil     | Nil                             | Nil  | Nil                       |
| Cases which have occurred on Ships from Foreign Ports but have been disposed of before arrival | Nil     | Nil                             | Nil  | Nil                       |
| Cases landed from Other Ships  | Nil     | Nil                             | Nil  | Nil                       |

SECTION X      Observations on the Occurrence of Malaria in Ships

No cases were reported

SECTION XI      Measures taken against Ships Infected with or Suspected for Plague

No change

SECTION XII      Measures against Rodents in Ships from Foreign Ports

With the co-operation of the Port Authorities, arrangements have been made for:-

- (a) All ropes, warpes, etc. used for mooring the ship to be fitted with canvas rat-guards, 2ft. long, to be daily coated with tar, or fitted with shields, or discs. All rat-guards are fitted clear of the ships and quay, and are adjusted with the rise and fall of the tide.
- (b) No gangways, chutes or planks, etc. , connecting the ship to the shore, except those in actual use, are permitted. Those in use are withdrawn as soon as possible at night.

These measures are carried out as a practice on all vessels from African Ports and grain-carrying ships, when conditions in the latter case allow it.

1. Procedure for Inspection of Ships for Rats

Regular inspection of ships are carried out by the Port Health Inspectors and Rodent Operatives.

2. Arrangements for Bacteriological or Pathological Examinations of Rodents

Post-mortem examinations, and examinations of stained films can be done at the Port Health Office. The Norwich Public Health Laboratory Service is also available for bacteriological and pathological examinations.

No rats were examined during the year.

3. Arrangements in the District for Deratting Ships, the Methods used etc.

The Port is an approved one for the issue of De-Ratting Certificates and De-Ratting Exemption Certificates, and during the year 29 De-Ratting Exemption Certificates were issued.

Should occasion arise for a vessel to be de-ratted, a number of contracting companies who specialise in this work are prepared to come to the Port to carry out the necessary work. A list of these companies has been sent to all local Shipping Agents. The methods to be used would be fumigation by HCN or SO<sub>2</sub> trapping or poisoning.

4. Progress in the Rat-Proofing of Ships

Generally satisfactory.

Table E

Rodents Destroyed during the Year in Ships from Foreign Ports

| <u>Category</u>      | <u>Number</u> |
|----------------------|---------------|
| Black Rats           | Nil           |
| Brown Rats           | Nil           |
| Species not known    | Nil           |
| Sent for examination | Nil           |
| Infected with Plague | Nil           |

Two Rodent Operatives are employed jointly by the King's Lynn Borough and Port Health Authority. In addition to the inspections made by the Port Medical Officer and Port Public Health Inspectors, the ships in the Port, Quay, Wharves and Warehouses in the vicinity of the Docks are inspected by the Rodent Operatives systematically.

In general, the wharves and warehouses are of modern construction and are rat-proof.

Table F

De-Ratting Certificates and De-Ratting Exemption Certificates  
issued during the Year for Ships from Foreign Ports

| No. of De-Ratting Certificates Issued                     |                   |                    | Number of<br>De-Ratting<br>Exemption<br>Certificates<br>Issued | Total<br>Certificates<br>Issued |
|---|-------------------|--------------------|--|---------------------------------|
| After Fumigation with<br>Other Fumigant<br>(State method) | After<br>Trapping | After<br>Poisoning |  |                                 |
| (2)   | (3)               | (4)                | (6)  | (7)                             |
| Nil   | Nil               | Nil                | 29   | 29                              |

Prevention of Damage by Pests Act, 1949  
Prevention of Damage by Pests (Applicable to Shipping) Act, 1951

|   |     |
|---|-----|
| Number of applications received for granting Rodent Control Certificates                          | Nil |
| Number of vessels inspected for the purpose of granting Control Certificates                      | Nil |
| Number of Rodent Control Certificates granted in accordance with<br>Article 3(2) (b) of the Order | Nil |
| Number of inspection of Dock Premises   | 381 |

# SECTION XIII

## Inspection of Ships for Nuisances

Table G

| Nature and Number of Inspections | INSPECTIONS AND NOTICES |  |               | Results of Serving Notices |
|----------------------------------|-------------------------|--|---------------|----------------------------|
|                                  | Notices Served          |  | Other Notices |                            |
|                                  | Statutory Notices       |  |               |                            |
| Routine Inspection 294           | Nil                     |  | Nil           | -                          |
| Total 294                        | Nil                     |  | Nil           | -                          |

SECTION XIV    Public Health (Shellfish) Regulations, 1934/1938

No change

SECTION XV    Medical Inspection of Aliens (Applicable only to  
Ports Approved for the Landing of Aliens)

The Port is not a Port that is approved for the landing of Aliens.



# REPORT OF THE

## CHIEF PORT HEALTH INSPECTOR

### IMPORTED FOODSTUFFS

The implementation of the Imported Food Regulations, 1968 received a great deal of attention by the department during the earlier part of 1969. The actual requirements of this new legislation meant that apart from the broad control over all imported foodstuff, greater responsibility and power was delegated to Local Authorities (where they acted as the Port Health Authority) to have made available to them for inspection purposes all incoming foodstuff whether or not it was required by H.M. Customs and Excise. In addition, there was wide control given on the movement and inspection of containers entering the country. Containerisation is a rapidly growing aspect of traffic through King's Lynn with a special dock built for the purpose of handling roll on - roll off cargoes.

Following extensive liaison with H.M. Customs and Excise and the Docks Authorities, it is with some satisfaction that the claim can now be made that despite a relatively small staff, 100% control of all foodstuff entering the Port of King's Lynn is now being exercised.

Another aspect of increasing volume is the arrival into the area of containers from other Ports which have not been health cleared at the Port of importation and have been passed on, subject to inspection and clearance at their final destination. Increasing numbers of such containers are arriving at local food preparing factories. Following discussion with all companies involved a simple but effective 100% control is maintained on such containers. Nevertheless, certain shortcomings in the legislation are felt to exist regarding the movement of such containers, and this is being kept under review.

### Weights of Imported Foodstuff the Subject of Inspection during 1969

| <u>Commodity</u>       | <u>Cartons</u> | <u>Tons</u> | <u>Cwt.</u> |
|------------------------|----------------|-------------|-------------|
| Tinned Meat            | 57291          | 634         | 17          |
| Fruit and Fruit Juices | 38246          | 992         | 10          |
| Cheese Products        | 549            | 5           | 17          |
| Butter and Cream       | 4537           | 88          | 7           |
| Confectionery          | 45604          | 619         | 18          |
| Mussels                | 1050           | 9           | 6           |
| Cocoa Powder           | 5962           | 146         | 15          |
| Fish                   | 2437           | 29          | 17          |
| Lard                   | 2265           | 26          | 11          |

Chemical Analysis

| <u>Sample</u>                           | <u>Report</u>   |
|---|---|
| Sugar Eggs                              | Genuine   |
| Butter                                  | Genuine   |
| Pork                                    | Genuine   |
| Lunch Tongue                            | Genuine   |
| Hot Dog Sausages                        | Genuine   |
| Cod Roe                                 | Genuine   |
| Herrings in Mayonnaise                  | Wrongly labelled. Contained Benzoic Acid and/or Sorbic Acid |
| Evaporated Milk                         | Genuine   |
| Coffee Extract                          | Genuine   |
| Rusks                                   | Genuine   |
| Chicken Breasts in Jelly<br>(2 samples) | Genuine   |
| Peeled Shrimps                          | Genuine   |
| Herring Tidbits                         | Contained Benzoic Acid 240 p.p.m.                           |
| Chocolate Smoker Set                    | Genuine   |
| Egg Noodles                             | Genuine   |
| Bee Honey                               | Genuine   |
| Kiel Herrings in Jelly                  | Genuine   |
| Kiel Roll Mops                          | Genuine   |
| Herrings in Jelly                       | Genuine   |
| Orange Cocoa Spread                     | Genuine   |
| Cherry Brandy Chocolate                 | Genuine   |
| Biscuits                                | Genuine   |
| Mock Caviar                             | Wrongly labelled  |
| De-hydrated Beef                        | Genuine   |
| Pork Brawn                              | Genuine   |
| Lard                                    | Genuine   |
| Luncheon Meat                           | Genuine   |
| Dried Shrimps                           | Contained Sulphur Dioxide                                   |
| Various Herring Products<br>(5 samples) | Genuine   |

In the instances above relating to the absence of prohibited preservatives, the consignments concerned were either surrendered and destroyed at the Port or at their inland destination. The case of Mock Caviar was the subject of correspondence with the importer and was resolved to mutual satisfaction.

#### Bacteriological Samples

| <u>Sample</u>             | <u>Result</u>  |
|---------------------------|--|
| 2 Cooked Chicken Portions | Mixed growth of aerobic spore bearing bacilli - Clostridia not isolated. |

#### Water

During the year, a bacteriological sample was taken from a vessel in the port and another from a standpipe used for filling ships water tanks, both proved satisfactory.

#### Conclusion

I have to thank the Officers of H.M. Customs, King's Lynn Conservancy Board, British Transport Docks Board, Eastern Sea Fisheries Joint Committee, the Shipping Companies, and the owners of Commercial Premises on the Docks, for their willing help and ready co-operation.

I have the honour to be,  
Your obedient Servant,

J. Mc.D. HANLEY,  
Port Medical Officer of Health

B. R. BEAUMONT,  
Chief Port Health Inspector



